

Stereochemistry of Erbium(III) and Thulium(III) Monotartrates in Aqueous Solution

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Abstract

The stereochemistry of erbium(III) and thulium(III) monotartrates LnH_2L^+ ($\text{Ln} = \text{Er}^{3+}$ or Tm^{3+} ; H_4L is tartaric acid) in aqueous solution is studied by the paramagnetic birefringence method in tandem with molecular mechanics. Paramagnetic anisotropy for the Er^{3+} and Tm^{3+} ions is estimated.
